

EGD/AA/saj(phb)
November 21, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#4

Applicants:

Oemer Uensal, Joachim Kiefer, Gordon Calundann, Michael Sansone,
Brian Benicewicz and Eui Wong Choe

Application No.: 10/529,993

Group Art Unit: Unknown

371(c)/Filed: March 31, 2005

Examiner: Unknown

Confirmation No.: 5423

Title:

Proton-Conducting Polymer Membrane Comprising Sulfonic
Acid-Containing Polyazoles and Use Thereof in Fuel Cells

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:

11-21-05

Date

Signature

Typed or printed name of person signing certificate

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

☐ under 37 CFR 1.129(a), or

(First/Second submission after Final Rejection)

☒ under 37 CFR 1.97(b), or

(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

☐ under 37 CFR 1.97(c) together with either:☐ a Statement under 37 CFR 1.97(e), as checked below, or☐ a \$180.00 fee under 37 CFR 1.17(p), or

(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with:☐ a Statement under 37 CFR 1.97(e), as checked below, and☐ a \$180.00 fee under 37 CFR 1.17(p), or

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

☐ under 37 CFR 1.97(i):

Applicant requests that the IDS and cited reference(s) be placed in the application file.

(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
 - ☒ Copies of the cited references are enclosed. [B1-B28 and C1-C3]
 - ☐ Copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
 - ☐ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
 - ☒ The listed references were cited in the enclosed International Search Report in a counterpart foreign application. [A11, A15, 16, B9, B18, B21, B27, C2 & C3]
 - ☒ The "concise explanation" requirement (non-English references) for reference(s) [B1-B3, B5, B6, B13, B16-B19, B21-B28] under 37 CFR 1.98(a)(3) is satisfied by:
 - ☐ the explanation provided on the attached sheet.
 - ☐ the explanation provided in the Specification.
 - ☐ submission of the enclosed International Search Report.
 - ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
 - ☒ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's
Initials

____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

Examiner

Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed, except any application filed on or after June 30, 2003, which has been scanned into the PTO's Image File Wrapper (IFW) system and is available to the examiner.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

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Dated: 11/21/05

PTO-1449 REPRODUCED

**INFORMATION DISCLOSURE
CITATION IN AN APPLICATION**

November 17, 2005

(Use several sheets if necessary)

 ATTORNEY DOCKET NO.
3799.1012-000

 APPLICATION NO.
10/529,993

 FIRST NAMED INVENTOR
Oemer Uensal

 371(c)/FILING DATE
March 31, 2005

 EXAMINER
Unknown

 CONFIRMATION NO.
5423

 GROUP
Unknown

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	A1	3,313,783	04-11-1967	Iwakura, <i>et al.</i>
	A2	3,224,908	12-21-1965	Duch et al.
	A3	3,293,088	12-20-1966	Herbst et al.
	A4	3,737,045	06-05-1973	Hasimoto et al.
	A5	3,808,305	04-30-1974	Gregor
	A6	4,012,303	03-15-1977	D'Agostino et al.
	A7	4,075,093	02-21-1978	Walch et al.
	A8	4,187,333	02-05-1980	Rembaum et al.
	A9	4,537,668	08-27-1985	Gaussens et al.
	A10	4,622,276	11-11-1986	Walsh
	A11	4,634,530	01-06-1987	Kuder et al.
	A12	5,098,985	03-24-1992	Harris, <i>et al.</i>
	A13	5,211,984	05-18-1993	Wilson
	A14	5,218,076	06-08-1993	Madison, <i>et al.</i>
	A15	5,312,895	05-17-1994	Dang, <i>et al.</i>
	A16	5,492,996	02-20-1996	Dang, <i>et al.</i>
	A17	5,599,639	02-04-1997	Neoya et al.
	A18	5,633,337	05-27-1997	Tan et al.
	A19	5,643,968	07-01-1997	Andreola et al.
	A20	5,656,386	08-12-1997	Scherer et al.
	A21	5,674,969	10-07-1997	Sikkema, <i>et al.</i>
	A22	6,030,718	02-20-2000	Fuglevand et al.
	A23	6,087,032	07-11-2000	Yoshitake et al.
	A24	6,096,369	08-01-2000	Anders et al.
	A25	6,110,616	08-29-2000	Sheikh-Ali et al.

EXAMINER

DATE CONSIDERED

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION November 17, 2005 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3799.1012-000		APPLICATION NO. 10/529,993	
	FIRST NAMED INVENTOR Oemer Uensal		371(c)/FILING DATE March 31, 2005	
	EXAMINER Unknown	CONFIRMATION NO. 5423	GROUP Unknown	

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	
	B1	DE 101 48 131 A1	05-08-2003	GKSS-Forschungszentrum Geesthacht GmbH		
	B2	DE 1 301 578	08-21-1969	Teijin Ltd.		
	B3	DE 196 53 484 A 1	06-25-1998	Fraunhofer Ges Foerderung Angewandten		
	B4	EP 0 265 921 A2 & A3	05-04-1988	Hoechst Celanese Corporation		
	B5	EP 0 846 733 A2	06-10-1998	Daimler-Benz Aktiengesellschaft (DE)		
	B6	EP 0 893 165 A2	01-27-1999	Huels Chemische Werke AG		
	B7	EP 1 110 992 A1	06-27-2001	Kabushiki Kaisha Toyota Chuo		
	B8	EP 1 202 365 A1	05-02-2002	Center for Advanced Science and Technology Incubation, Ltd.		
	B9	EP 1354907 A1	10-22-2003	Toyo Boseki Kabushiki Kaaisha		
	B10	WO 94/25506	11-10-1994	Akzo Nobel N.V.		
	B11	WO 99/10165	03-04-1999	Foster-Miller, Inc. (US)		
	B12	WO 00/49069	08-24-2000	Mikael Paronen		
	B13	WO 00/54351	09-14-2000	Center for Advanced Science and Technology Incubation, Ltd.		
	B14	WO 01/45192 A1	06-21-2001	Proton Energy Systems, Inc.		
	B15	WO 01/94450 A2	12-13-2001	SRI International and Polyfuel, Inc.		
	B16	WO 02/081547 A1	10-17-2002	Celanese Ventures GmbH		
	B17	WO 02/088219 A1	11-07-2002	Celanese Ventures GmbH		
	B18	WO 02/38650 A1	05-16-2002	Toyo Boseki Kabushiki Kaaisha		
	B19	WO 03/022412 A2 & A3	03-20-2003	Celanese Ventures GmbH		
	B20	EP 0 476 560 A1	09-16-1991	The Dow Chemical Company		
	B21	WO 02/071518 A1	09-12-2002	Celanese Ventures GMBH		
	B22	WO 02/102881 A1	12-27-2002	Celanese Ventures GMBH		

EXAMINER	DATE CONSIDERED
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FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	

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